MSG 038 - RED FD04 EARTH OBS

There will be one Earth Obs message per day, with the sites designated for Red or Blue teams.

MET's are at approximate time of the intersection of your orbit and the target site.

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BLUE AND RED

MET 02/22:33 USA - Florida. Note settlement and transportation patterns in the Tampa-St. Petersburg metro area. The Kennedy Space Center complex will follow shortly thereafter. CVIS. Near Vertical. Hasselblad 250mm. Atlas pages 2, 12.

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RED

MET 03/01:36 USA - California and Arizona. Cities pass. San Diego will be at the coast left (north) of track. First of two chances for Yuma, Arizona, just right (south) of track. Finally, Albuquerque will be at approximately MET 03/01:39, south (right) of track. CVIS. Near Vertical. Digital Camera 400mm. Atlas page 2.

MET 03/03:10 USA - San Francisco, California. Nice pass for San Francisco. Also note land use patterns in the San Joaquin valley. CVIS. Near Vertical. Hasselblad 250mm. Atlas page 2.

MET 03/04:45 USA - California. Note snow pack in the Sierra Nevada. Also note the water level in Clear Lake Reservoir, because of the higher than average rainfall in California, reservoirs should be full. Also note lake level and water color in Lake Tahoe. In this lake different water color along the shore could be an indicator of pollution. CVIS. Near Vertical. Digital Camera 400mm. Atlas page 2.

MET 03/04:54 USA - Florida. Second chance to photograph Kennedy Space Center. CVIS. Near Vertical. Digital Camera 400mm. Atlas pages 2, 12.

MET 03/06:20 USA - Southern California, Southern Arizona. Los Angeles will be at the beginning of your pass, just south (right) of track. Shortly thereafter Edwards will be just north (left) of track. Your second chance to photograph Yuma, Arizona will be at approximately MET 03/06:22 on the Colorado River, at the border of California and Arizona. CVIS. Near Vertical. Digital Camera 400mm. Atlas page 2.

MET 03/06:28 Yucatan, Mexico. Mapping pass over Yucatan. Continue photography of Belize reefs. Nadir. CVIS. Near Vertical. Hasselblad 250mm. Atlas page 12.

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BLUE AND RED

MET 03/09:04 Shanghai, China. The low sun will help to bring out smog any that usually covers the city of Shanghai, just north (left) or track. CVIS. Oblique. Hasselblad 110mm. Atlas page 20.

MET 03/10:38 Yellow River, China; Korea. The Yellow River is known as the world's "muddiest" river because of the great amount of soil that is transports. The delta is also extremely dynamic, changing its profile in 10's, rather than 100's of years. This area is also seldom photographed by the Station crews because it usually falls during their sleep periods. You have the opportunity to fill in the gaps. Note land use in northern Korea. CVIS. Near Vertical. Digital Camera 400mm. Atlas pages 8,9,20.

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BLUE

MET 03/12:04 Indian Smoke/Smog. The low sun should highlight any hint of smog or smoke that may reside against the Himalayan front. CVIS. Oblique. Hasselblad 110mm. Atlas page 17.

MET 03/13:47 Yellow River and Delta, China. Photography of changing hydrology and land use and changing dynamics along the coast is of great importance. CVIS. Near Vertical. Digital Camera 400mm. Atlas pages 8,20.

MET 03/15:22 Yangtze River, China. Your orbit will parallel the Yangtze River almost to the coast. This river is of great interest because water diversion projects, such as the Three Gorges Dam, will create significant differences along this river and delta. CVIS. Near Vertical. Digital Camera 400mm. Atlas pages 8,20.

MET 03/18:24 Indus River, Pakistan and Ganges River Plain, India. Look right (east) or track for panoramic views of the Indus River. Once you pass the river look to the Ganges River Plain toward the Himalayan Range for any indication of smoke/smog. Shuttle photography of this region is important because Space Station crews pass over this region during their sleep and therefore there are few images. CVIS. Oblique. Hasselblad 110mm. Atlas page 19.